

Title (en)

LENS ASSEMBLY AND ELECTRONIC DEVICE COMPRISING SAME

Title (de)

LINSENANORDNUNG UND ELEKTRONISCHE VORRICHTUNG DAMIT

Title (fr)

ENSEMBLE LENTILLE ET DISPOSITIF ÉLECTRONIQUE LE COMPRENANT

Publication

**EP 4318070 A1 20240207 (EN)**

Application

**EP 22811665 A 20220526**

Priority

- KR 20210067892 A 20210526
- KR 2022007492 W 20220526

Abstract (en)

A lens assembly including a plurality of lenses arranged from an object side to an image side where there is an image plane includes a reflective member that bends a first optical axis of light incident from the object side into a second optical axis, a first lens group arranged on the second optical axis so that the light bent by the reflective member is incident thereon and having a positive refractive power, a second lens group arranged on an image side of the first lens group and having a positive refractive power, and a third lens group arranged on an image side of the second lens group and having a negative refractive power. The first lens group and the third lens group move toward the object side to perform zooming from a wide angle end to a telephoto end.

IPC 8 full level

**G02B 15/14** (2006.01); **G02B 1/04** (2006.01); **G02B 3/00** (2006.01); **G02B 13/00** (2006.01); **G02B 15/22** (2006.01); **G02B 27/64** (2006.01);  
**G03B 17/12** (2021.01)

CPC (source: EP KR)

**G02B 1/041** (2013.01 - KR); **G02B 3/0087** (2013.01 - KR); **G02B 13/0065** (2013.01 - EP); **G02B 13/009** (2013.01 - EP KR);  
**G02B 15/143103** (2019.08 - EP KR); **G02B 15/22** (2013.01 - KR); **G02B 27/646** (2013.01 - EP KR); **G03B 3/00** (2013.01 - EP);  
**G03B 5/00** (2013.01 - EP); **G03B 17/12** (2013.01 - KR); **G03B 30/00** (2021.01 - EP KR); **H04N 23/55** (2023.01 - KR);  
**G03B 2205/0007** (2013.01 - EP); **G03B 2205/0046** (2013.01 - EP); **H04N 23/55** (2023.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4318070 A1 20240207; EP 4318070 A4 20241016**; KR 20220159825 A 20221205; WO 2022250474 A1 20221201

DOCDB simple family (application)

**EP 22811665 A 20220526**; KR 20210067892 A 20210526; KR 2022007492 W 20220526